

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/33176

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/04; C12N 15/00; C07K 16/00, 14/00; A61K 39/395, 38/00
 US CL : 536/23.53; 435/320.1, 7, 6, 325, 326; 530/300, 387.3, 387.2; 424/130.1; 514/2
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 536/23.53; 435/320.1, 7, 6, 325, 326; 530/300, 387.3, 387.2; 424/130.1; 514/2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FAIS et al. Chronic lymphocytic leukemia B cells express restricted sets of mutated and unmutated antigen receptors. J. Clin. Invest. October 1998, Vol.102, pages 1515-1525, especially Table II, III.	1-23, 78-92, 103, 110, 116
Y	DAMLE et al. Ig V gene mutation status and CD38 expression as a novel prognostic indicators in chronic lymphocytic leukemia. Blood. 15 September, Vol.94, pages 1840-1847, especially page 1840.	1-23, 78-92, 103, 11, 116
Y	VALETTO et al. Chronic lymphoid leukemia. New York; Marcel Dekker. 2001 see pages 81-109, especially 431a.	1-23, 78-92, 103, 110, 116

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

Date of mailing of the international search report

14 JUL 2005

(Signature)
 ALANA M. HARRIS, PH.D.
 Anne Holleran
 Telephone No. (703) 272-6000 06/16/05
 PRIMARY EXAMINER

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450

Faxsimile No. (703) 305-3230